

## LEPIDOPTERA FROM MARSHALL PASS, COLORADO.

The late Mr. W. S. Foster sent me some years ago a list of Lepidoptera taken by himself in 1888 at Marshall Pass, Colorado, which deserves to be put on record as a contribution to the knowledge of alpine entomology. The collecting was done at altitudes from 10,000 to 13,000 feet, on the slopes of the Continental Divide and Mt. Ouray, on the north side of the railroad track. This is in Saguache county, and about forty miles from the district in Custer county, of which the alpine insects are recorded in CAN. ENTOM., 1890. The list is as follows:—

<i>Papilio zolicaon</i> , Bdv.	<i>Pyrameis huntera</i> , Fb.
“ <i>asterias</i> , Fabr.	<i>Cænonympha ochracea</i> , Edw.
<i>Parnassius smintheus</i> , D. & H.	<i>Erebia magdalena</i> , Strk.
<i>Pieris sisymbri</i> , Bdv.	<i>Chionobas chryxus</i> , Westw.
“ <i>protodice</i> , B. & L.	“ <i>taygete</i> , Hbn.?
“ <i>oleracea</i> , Bdv.	<i>Lycena shasta</i> , Edw.
<i>Colias meadii</i> , Edw.	<i>Chrysophanus snowi</i> , Edw.
“ <i>alexandra</i> , Edw.	<i>Lycena melissa</i> , Edw.
“ <i>scudderii</i> , Reak.	<i>Pyrgus centaureæ</i> , Ramb.
“ <i>eurytheme</i> , Bdv.	<i>Deilephila lineata</i> , Fb.
<i>Argynnis freya</i> , Thunb.	<i>Alypia lorquinii</i> , G. & R.
“ <i>eurynome</i> , Edw.	<i>Gnophaela vermiculata</i> , G. & R.
“ <i>helena</i> , Edw.	<i>Nemeophila plantaginis</i> , Auctt.
<i>Euptoieta claudia</i> , Cram.	<i>Plusia hohenwarthi</i> , Hoch.
<i>Melitæa brucei</i> , Edw.	<i>Drasteria crechtea</i> , Cram.
“ <i>anicia</i> , Auctt. Amer.	<i>Botis turmalis</i> , Grt.
“ <i>palla</i> , Bdv.	

*Mel. brucei* is the real *anicia*, and *anicia*, Auctt. Amer., should apparently be called *meglashanii*, concerning which see 12th Rept. Colo. Biol. Assoc. *Nem. plantaginis* of the Colorado Mountains would now, I suppose, be referred to *petrosa*, Walk.

In Prof. J. B. Smith's list of Lepidoptera, while *petrosa* is accepted as distinct, “*hospita*, Schiff.” is referred to it as a variety. This latter is, however, a variety of the European *N. plantaginis*, L., and consequently the American *hospita*-like aberration apparently requires a new name. *Botis turmalis* is now referred to *itysalis*, Walk. The doubtful *Chion. taygete* is very possibly the species lately named *C. brucei* by Mr. W. H. Edwards.

Of the thirty-three species enumerated, about half may be regarded as specially alpine; the others occur also at much lower elevations.

T. D. A. COCKERELL.

Institute of Jamaica; Kingston, Jamaica. April 18, 1892.